

### IN THE CLAIMS

Claim 1-21 (Cancelled).

Claim 22 (Once amended): A method comprising:

transmitting a first series of stimulus pulses comprising a quasitrapezoidal pulse train to a sacral ventral root of a patient with a first electrode; and

simultaneously transmitting a second series of stimulus pulses comprising an intermittent pulse train pattern of 1 second on/1 second off to a sacral dorsal root corresponding to the sacral ventral root of the patient with a second electrode to stimulate the dorsal root; [thereby emptying the bladder] wherein both series subdue urethral reflexes and enhances voiding to empty the bladder.

Claim 23 (Twice Amended): An apparatus for the control of bladder function in a patient by combined stimulation of ventral and dorsal sacral roots, comprising:

a first electrode adapted to be coupled to a sacral ventral root of a patient further adapted to deliver a first series of stimulus pulses comprising a quasitrapezoidal pulse train;

a second electrode adapted to be coupled to a sacral dorsal root corresponding to said sacral ventral root [corresponding to said sacral ventral root] and further adapted to deliver a second series of stimulus pulses comprising an intermittent pulse train pattern of 1 second on/1 second off to stimulate the dorsal root;

and control means, electrically coupled to said first and second electrodes, for generating said first and second pulses simultaneously,

[sufficient to cause the bladder of the patient to contract], wherein both series subdue urethral reflexes and enhance voiding to empty the bladder [whereby emptying the bladder].

Claim 24 (Previously presented). The apparatus of claim 23, wherein the first electrode comprises a self-sizing cuff electrode.

Claim 25 (Previously presented) The apparatus of Claim 23, wherein the second electrode comprises a self-sizing cuff electrode.

Claim 26 (Previously presented). The apparatus of Claim 23, wherein the first electrode comprises a surface mounted electrode.

Claim 27 (Previously presented). The apparatus of Claim 23, wherein said second electrode comprises a surface mounted electrode.

Claim 28 (Previously presented). The apparatus of Claim 23, wherein said first series of stimulus pulses comprises a quasitrapezoidal pulse train at 20 Hz.

Claim 29 (Previously presented). The apparatus of Claim 23, wherein said second series of stimulus pulses have a nominal amplitude of 1 ma and a pulse duration of 20 to 100  $\mu$ secs.

Claim 30 (Previously presented). The apparatus of claim 23, wherein said first series of stimulus pulses have a nominal amplitude of 1 ma and a pulse duration of 350 to 500  $\mu$ secs.

Claim 31 (New). The method of claim 22, wherein the first electrode comprises a self-sizing cuff electrode.

Claim 32 (New) The method of claim 22, wherein the second electrode comprises a self-sizing cuff electrode.

Claim 33 (New). The method of claim 22, wherein the first

electrode comprises a surface mounted electrode.

Claim 34 (New). The method of claim 22, wherein said second electrode comprises a surface mounted electrode.

Claim 35 (New). The method of claim 22, wherein said first series of stimulus pulses comprises a quasitrapezoidal pulse train at 20 Hz.

Claim 36 (New). The method of claim 22, wherein said second series of stimulus pulses have a nominal amplitude of 1 ma and a pulse duration of 20 to 100  $\mu$ secs.

Claim 37 (New). The method of claim 22, wherein said first series of stimulus pulses have a nominal amplitude of 1 ma and a pulse duration of 350 to 500  $\mu$ secs.